

SOME MARINE BIVALVES FROM THE BAHAMA ISLANDS

BY RICHARD A. McLEAN

This list is based mainly on collections made by Glover M. Allen, Thomas Barbour and Owen Bryant in 1904. Additional material collected by Dr. Barbour and James Greenway during two winter cruises of Mr. Allison V. Armour's yacht, the "Utowana," has also been included. The name Utowana in parenthesis is placed after localities given for this material.

All the specimens are deposited in the collections of the Museum of Comparative Zoology, Cambridge, Mass.

Great care must be used to give specific localities in the Bahama Islands as there is considerable duplication of names; *e.g.*, there is a Whale Cay and a Whale Cay Channel in the Berry Islands and both of these names occur again north of Great Abaco Island, and there are several Mangrove Cays throughout the Bahamas. Localities as follows:

Marsh Harbor, east coast of Great Abaco Island opposite the Marls.

Hopetown, Elbow Cay, east of Marsh Harbor, Great Abaco Island.
Water Cay, close inshore north of Marsh Harbor, Great Abaco Island.

Whale Cay Channel, northeast of Great Abaco Island.

Sweeting's Village, east coast of Great Abaco Island south of Marsh Harbor.

Moraine Cay and Strangers Cay, northeast of Little Abaco Island.

Riding Point, north coast of Grand Bahama Island.

High Rock, south coast of Grand Bahama Island.

Mangrove Cay, Middle Bight, Andros Island.

Arca auriculata Lam. Dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.

Arca occidentalis Phil. Dredged in Whale Cay Channel.

Arca umbonata Lam. Fortune Island (Utowana).

Arca barbata Linn. Sweeting's Village; Moraine Cay; Whale Cay Channel; Fortune Island (Utowana).

Arca reticulata Gmel. Moraine Cay; Sweeting's Village.

Arca adamsi 'Shuttleworth' Smith. Sweeting's Village; Whale Cay Channel.

Glycymeris pectinata (Gmel.). Mangrove Cay; Whale Cay Channel; Fortune Island and Watling Island (Utowana).

- Limopsis antillensis* Dall. Dredged in Whale Cay Channel.
- Musculus lateralis* (Say). Dredged northeast of Great Abaco Island.
- Lithophaga nigra* (Orb.). Whale Cay Channel.
- Botula fusca* (Gmel.). Mangrove Cay.
- Mytilus cxustus* Linn. South side of Abaco; Sweeting's Village; Mangrove Cay; Fortune Island and High Rock, Grand Bahama Island (Utowana).
- Pedalion alata* (Gmel.). Marsh Harbor.
- Pedalion listeri* (Hanley). Sweeting's Village.
- Pedalion semiaurita* (Linn.). Sweeting's Village.
- Pteria colymbus* (Röding). Marsh Harbor.
- Margaritifera radiata* (Leach). Marsh Harbor.
- Pinna carnea* Gmel. Marsh Harbor; Sweeting's Village.
- Pecten imbricatus* (Gmel.). Fortune Island (Utowana).
- Pecten nucleus* (Born). Whale Cay Channel and other localities north of Great Abaco Island; Moraine Cay.
- Pecten antillarum* Recluz. Whale Cay Channel and other localities north of Great Abaco Island.
- Spondylus echinatus* (Martyn). Watlings Island and Fortune Island (Utowana).
- Lima hians* (Gmel.). Whale Cay Channel.
- Anomia simplex* (Orb.). Moraine Cay.
- Crassinella parva* (C. B. Adams). Moraine Cay.
- Taras punctata* (Say). Whale Cay Channel; Hopetown; Moraine Cay.
- Phacoides adansoni* (Orb.). Whale Cay Channel.
- Phacoides pensylvanicus* (Linn.). Moraine Cay; Water Cay; Strangers Cay; Sweeting's Village; Mangrove Cay; Whale Cay Channel and other localities north of Great Abaco Island; Fortune Island and High Rock, Grand Bahama Island (Utowana).
- Phacoides nassula* (Conr.). Whale Cay Channel and other localities north of Great Abaco Island; Lake Cunningham, New Providence Island; Moraine Cay; Hopetown; Sweeting's Village.
- Phacoides radiata* (Conrad). Sweeting's Village; Moraine Cay; Whale Cay Channel.
- Lucina radiata* Conrad, Medial Tertiary, Jan., 1845, p. 70, pl. 40, f. 3.
- Lucina radians* Conrad, Amer. Journ. Sci. 41 (2), Oct., 1841, p. 347. Not *Lucina radians* Bory de St. Vincent, Ency. Meth. (Vers), 1824, p. 154.

The name *Lucina radians* Conrad 1841 applies to the same species as *L. radiata* of Conrad in his Medial Tertiary, 1843.

Lucina radians Deshayes [in Melleville] 1843 is not this species but a *Felaniella*. All of these names are antedated by *Lucina radians* Bory de St. Vincent 1824. There are no specimens of Bory de St. Vincent's species in the collection of the Museum of Comparative Zoology but figures given by this author seem to place his species in or near the genus *Divaricella*. *L. radiata* Conrad 1845 must take the place of Conrad's earlier name which becomes a homonym of *L. radians* Bory de St. Vincent.

Phacoides crenella Dall. Whale Cay Channel.

Myrtaea compressa (Dall). Moraine Cay.

Divaricella quadrisulcata (Orb.). Mangrove Cay.

Divaricella dentata (Wood). Mangrove Cay; Hopetown.

Codokia orbiculata (Mont.). Mangrove Cay; Moraine Cay; Strangers Cay; Sweeting's Village; Lake Cunningham, New Providence; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.

Codokia costata (Orb.). Hopetown; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.

Codokia orbicularis (Linn.). Watlings Island and High Rock, Grand Bahama Island (Utowana).

Chama ferruginea Reeve. Strangers Cay; Marsh Harbor.

Cardium leucostoma Born. Strangers Cay.

Cardium muricatum Linn. Moraine Cay; Mangrove Cay; Hopetown; Whale Cay Channel.

Papyridea spinosa (Meuschen). Dredged north of Great Abaco.

Trigoniocardia antillarum (Orb.). Riding Point, Grand Bahama Island; Hopetown; Moraine Cay; Mangrove Cay; dredged in Whale Cay Channel and other localities northeast of Great Abaco Island.

Trigoniocardia medium (Linn.). Strangers Cay; dredged in Whale Cay Channel and other localities northeast of Great Abaco Island.

Laevicardium serratum (Linn.). Strangers Cay; Mangrove Cay; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island; Watlings Island (Utowana).

Gouldia cerina (C. B. Adams). Dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.

Pitar fulminata (Menke). Moraine Cay; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.

Macrocallista maculata (Linn.). Marsh Harbor.

Transenella cubaniana (Orb.). Whale Cay Channel.

- Tranzenella stimpsoni* Dall. Moraine Cay.
Tivela abaconis Dall. Moraine Cay.
Venus listeri (Gray). Marsh Harbor.
Venus cancellata Linn. Riding Point, Grand Bahama Island; Hopetown; Moraine Cay; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island; Fortune Island and High Rock, Grand Bahama Island (Utowana).
Venus grus (Holmes). Whale Cay Channel.
Venus pygmaea Lam. Mangrove Cay; Lake Cunningham, New Providence.
Venus paphia Linn. Whale Cay Channel.
Petricola lapicida (Gmel.). Mangrove Cay.
Ervilia subcancellata Smith. Mangrove Cay; Moraine Cay; Hopetown; Whale Cay Channel.
Heterodonax bimaculata (Linn.). Strangers Cay; Mangrove Cay.
Asaphis deflorata (Linn.). Mangrove Cay; Marsh Harbor.
Tagelus divisus (Spengl.). Moraine Cay; dredged in Whale Cay Channel and at other localities northeast of Great Abaco.
Semele bellastrata (Conr.). Moraine Cay; dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.
Tellina interrupta Wood. Marsh Harbor.
Tellina radiata Linn. Lake Cunningham, New Providence; Marsh Harbor.
Tellina martinicensis d'Orb. Moraine Cay.
Tellina sayi 'Deshayes' Dall. Whale Cay Channel.
Tellina promera Dall. Dredged in Whale Cay Channel and at other localities northeast of Great Abaco Island.
Tellina iris Say. Whale Cay Channel.
Tellina candeana Orb. Mangrove Cay.
Strigilla flexuosa (Say). Moraine Cay.
Pandora arenosa Conrad. Moraine Cay.
Cuspidaria perrostrata Dall. Inside the keys north of the Abacos.

COMPARATIVE STUDIES OF LOESS AND RECENT MOLLUSKS. II

BY B. SHIMEK

2. POLYGYRA MULTILINEATA (Say).

This species is even more variable in size and color than *P. profunda*, in both fossil and recent faunas. This has given rise to a number of varietal names.